

Title (en)
CLAW CONNECTION FOR TOY AND MODEL RAILWAYS

Publication
EP 0306666 B1 19911009 (DE)

Application
EP 88111375 A 19880715

Priority
DE 3728240 A 19870825

Abstract (en)
[origin: EP0306666A1] The claw connection for toy and model railways has pre-uncoupling devices, a claw (7) which can be hooked from the side into a rigid hook of the respective counter-bearing part and can be swivelled in a horizontal plane, a bearing pin (8), which is mounted in a borehole and can be lifted out of its coupling position upwards against the force of gravity into an uncoupling position by means of a coupling lever of an uncoupling siding, said coupling lever engaging on a downwardly projecting uncoupling bolt (20), the design (10) being such that it has an outer arm (7a), which can be hooked into the rigid hook (2), and an inner arm (7b) which is bent at approximately 90 DEG to said outer arm, that the bearing borehole and the bearing pin are arranged in each case on the outer edge of the bearing part or the claw, that the bearing part has a striking mandrel (24) for the inner arm of the claw of the respective counter-coupling part. The design of the bearing is such that, when it is lifted, the claw is swivelled inwards via a forced guide and placed on the counter-bearing part, and the striking mandrel is dimensioned in such a way that it both prevents the respective counter-claw from swivelling outwards into an uncoupling position and, in banking operation, the swivelling-outwards of an inwardly placed claw is impeded, the bearing borehole (8a) for the bearing pin being conically widened towards the bottom, at least on one side, to avoid becoming jammed when rising. <IMAGE>

IPC 1-7
A63H 19/18

IPC 8 full level
A63H 19/18 (2006.01)

CPC (source: EP US)
A63H 19/18 (2013.01 - EP US)

Cited by
DE102005020800B4

Designated contracting state (EPC)
AT BE CH DE FR GB IT LI NL SE

DOCDB simple family (publication)
EP 0306666 A1 19890315; EP 0306666 B1 19911009; AT E68100 T1 19911015; DE 3728240 C1 19890323; DE 3865406 D1 19911114; US 4893716 A 19900116

DOCDB simple family (application)
EP 88111375 A 19880715; AT 88111375 T 19880715; DE 3728240 A 19870825; DE 3865406 T 19880715; US 23534688 A 19880823